

ABSTRACT OF THE DISCLOSURE

A rotary engine has a spherical enclosure serving as a combustion chamber, a first baffle inside the combustion chamber slideable along a groove formed in the spherical enclosure, and a second baffle disposed in the combustion chamber which is in sealing engagement with the internal spherical surface of the combustion chamber. The second baffle is carried by a rotatable shaft, the shaft extending into the spherical combustion chamber. The first baffle rests against the second baffle, and separates the interior of the combustion chamber into a first part and a second part. A first valve in a first opening is disposed to communicate with the first part of the combustion chamber, and a second valve in a second opening is disposed to communicate with the second part of the combustion chamber.

Valves operate to make a four stroke cycle in each chamber. The force of combustion results in a force acting upon the first and second baffles causing movement of the second baffle and the rotatable shaft.